



## RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/054,534  
Source: 01/16  
Date Processed by STIC: 2/15/2002

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
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OIKE

## RAW SEQUENCE LISTING

DATE: 02/15/2002

PATENT APPLICATION: US/10/054,534

TIME: 15:27:12

Input Set : A:\6763.USP1.TXT

Output Set: N:\CRF3\02152002\J054534.raw

4 <110> APPLICANT: Abbott Laboratories  
 5 Mukerji, Pradip  
 6 Huang, Yung-Sheng  
 7 Das, Tapas  
 8 Thurmond, Jennifer M.  
 9 Pereira, Suzette L.  
 11 <120> TITLE OF INVENTION: DESATURASE GENES AND USES THEREOF  
 14 <130> FILE REFERENCE: 6763.US.P1  
 C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/054,534  
 17 <141> CURRENT FILING DATE: 2002-01-22  
 19 <150> PRIOR APPLICATION NUMBER: US 09/769,863  
 20 <151> PRIOR FILING DATE: 2001-01-25  
 22 <160> NUMBER OF SEQ ID NOS: 55  
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 42  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Primer R0834  
 34 <221> NAME/KEY: misc\_feature  
 35 <222> LOCATION: (3)...(3)  
 36 <223> OTHER INFORMATION: b = g or c or t/u at position 3  
 38 <221> NAME/KEY: misc\_feature  
 39 <222> LOCATION: (6)...(6)  
 40 <223> OTHER INFORMATION: y = t/u or c at position 6  
 42 <221> NAME/KEY: misc\_feature  
 43 <222> LOCATION: (9)...(9)  
 44 <223> OTHER INFORMATION: y = t/u or c at position 9  
 46 <221> NAME/KEY: misc\_feature  
 47 <222> LOCATION: (12)...(12)  
 48 <223> OTHER INFORMATION: b = g or c or t/u at position 12  
 50 <221> NAME/KEY: misc\_difference  
 51 <222> LOCATION: (18)...(18)  
 52 <223> OTHER INFORMATION: r = g or a at position 18  
 54 <221> NAME/KEY: misc\_feature  
 55 <222> LOCATION: (24)...(24)  
 56 <223> OTHER INFORMATION: b = g or c or t/u at position 24  
 58 <221> NAME/KEY: misc\_feature  
 59 <222> LOCATION: (30)...(30)  
 60 <223> OTHER INFORMATION: b = g or c or t/u at position 30  
 62 <221> NAME/KEY: misc\_feature  
 63 <222> LOCATION: (33)...(33)

pp 2,4  
 Does Not Comply  
 Corrected Diskette Needed

P.2

"y" is at position 30

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Input Set : A:\6763.USP1.TXT  
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64 <223> OTHER INFORMATION: y = t/u or c at position 33  
66 <221> NAME/KEY: misc\_feature  
67 <222> LOCATION: (36)...(36)  
68 <223> OTHER INFORMATION: y = t/u or c at position 36 *"b" is at position 36*  
70 <221> NAME/KEY: misc\_feature  
71 <222> LOCATION: (39)...(39)  
72 <223> OTHER INFORMATION: h = a or c or t/u at position 39  
74 <221> NAME/KEY: misc\_feature  
75 <222> LOCATION: (42)...(42)  
76 <223> OTHER INFORMATION: h = a or c or t/u at position 42  
78 <400> SEQUENCE: 1  
79 gtbta<sup>6</sup>ygayg tbaccgartg ggtbaagcgy caycc<sup>42</sup>ghg gh 42  
81 <210> SEQ ID NO: 2  
82 <211> LENGTH: 45  
83 <212> TYPE: DNA  
84 <213> ORGANISM: Artificial Sequence  
86 <220> FEATURE:  
87 <223> OTHER INFORMATION: Forward Primer R0835  
89 <221> NAME/KEY: misc\_feature  
90 <222> LOCATION: (3)...(3)  
91 <223> OTHER INFORMATION: h = a or c or t/u at position 3  
93 <221> NAME/KEY: misc\_feature  
94 <222> LOCATION: (6)...(6)  
95 <223> OTHER INFORMATION: y = t/u or c at position 6  
97 <221> NAME/KEY: misc\_feature  
98 <222> LOCATION: (12)...(12)  
99 <223> OTHER INFORMATION: y = t/u or c at position 12  
101 <221> NAME/KEY: misc\_feature  
102 <222> LOCATION: (27)...(27)  
103 <223> OTHER INFORMATION: y = t/u or c at position 27  
105 <221> NAME/KEY: misc\_feature  
106 <222> LOCATION: (33)...(33)  
107 <223> OTHER INFORMATION: y = tu or c at position 33  
109 <221> NAME/KEY: misc\_feature  
110 <222> LOCATION: (39)...(39)  
111 <223> OTHER INFORMATION: b = g or c or t/u at position 39  
113 <221> NAME/KEY: misc\_feature  
114 <222> LOCATION: (41)...(41)  
115 <223> OTHER INFORMATION: y = t/u or c at position 41  
117 <221> NAME/KEY: misc\_feature  
118 <222> LOCATION: (45)...(45)  
119 <223> OTHER INFORMATION: y = t/u or c at position 45  
121 <400> SEQUENCE: 2  
122 gghgcytccg cyaactggtg gaagcaycag cayaacgtbc aycay 45  
124 <210> SEQ ID NO: 3  
125 <211> LENGTH: 45  
126 <212> TYPE: DNA  
127 <213> ORGANISM: Artificial Sequence  
129 <220> FEATURE:

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130 <223> OTHER INFORMATION: Reverse Primer R0836
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (1)...(1)
134 <223> OTHER INFORMATION: r = g or a at position 1
136 <221> NAME/KEY: misc_feature
137 <222> LOCATION: (4)...(4)
138 <223> OTHER INFORMATION: r = g or a at position 4
140 <221> NAME/KEY: misc_feature
141 <222> LOCATION: (7)...(7)
142 <223> OTHER INFORMATION: v = a or g or c at position 7
144 <221> NAME/KEY: misc_feature
145 <222> LOCATION: (13)...(13)
146 <223> OTHER INFORMATION: r = g or a at position 13
148 <221> NAME/KEY: misc_feature
149 <222> LOCATION: (19)...(19)
150 <223> OTHER INFORMATION: r = g or a at position 19
152 <221> NAME/KEY: misc_feature
153 <222> LOCATION: (34)...(34)
154 <223> OTHER INFORMATION: r = g or a at position 34
156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (40)...(40)
158 <223> OTHER INFORMATION: r = g or a at position 40
160 <221> NAME/KEY: misc_feature
161 <222> LOCATION: (43)...(43)
162 <223> OTHER INFORMATION: d = a or g or t/u at position 43
164 <400> SEQUENCE: 3
165 ttgtrgtgacg ttrtgctgrt gcttcacca gtrrgcggar' gdc'cc 45
167 <210> SEQ ID NO: 4
168 <211> LENGTH: 36
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Reverse Primer R0838
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: (6)...(6)
177 <223> OTHER INFORMATION: r = g or a at position 6
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (12)...(12)
181 <223> OTHER INFORMATION: r = g or a at position 12
183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: (15)...(15)
185 <223> OTHER INFORMATION: y = t/u or c at position 15
187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: (18)...(18)
189 <223> OTHER INFORMATION: r = g or a at position 18
191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: (21)...(21)
193 <223> OTHER INFORMATION: r = g or a at position 21
195 <221> NAME/KEY: misc_feature

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Input Set : A:\6763.USP1.TXT

Output Set: N:\CRF3\02152002\J054534.raw

196 <222> LOCATION: (24)...(24)  
 197 <223> OTHER INFORMATION: s = g or c at position 24  
 199 <221> NAME/KEY: misc\_feature  
 200 <222> LOCATION: (27)...(27)  
 201 <223> OTHER INFORMATION: r = g or a at position 27  
 203 <221> NAME/KEY: misc\_feature  
 204 <222> LOCATION: (30)...(30)  
 205 <223> OTHER INFORMATION: v = a or g or c at position 30  
 207 <400> SEQUENCE: 4  
 208 ttgatrgtct arctygttgt rgasaarggv tggtag 36  
 210 <210> SEQ ID NO: 5  
 211 <211> LENGTH: 24  
 212 <212> TYPE: DNA  
 213 <213> ORGANISM: Artificial Sequence  
 215 <220> FEATURE:  
 216 <223> OTHER INFORMATION: Primer R0753  
 218 <221> NAME/KEY: misc\_feature  
 219 <222> LOCATION: (10)...(10)  
 220 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at  
 221 position 10  
 223 <221> NAME/KEY: misc\_feature  
 224 <222> LOCATION: (13)...(13)  
 225 <223> OTHER INFORMATION: r = g or a at position 13  
 227 <221> NAME/KEY: misc\_feature  
 228 <222> LOCATION: (16)...(16)  
 229 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at  
 230 position 16  
 232 <221> NAME/KEY: misc\_feature  
 233 <222> LOCATION: (18)...(19)  
 234 <223> OTHER INFORMATION: r = g or a at positions 18-19  
 236 <221> NAME/KEY: misc\_feature  
 237 <222> LOCATION: (22)...(22)  
 238 <223> OTHER INFORMATION: r = g or a at position 22  
 240 <400> SEQUENCE: 5,  
 WA-> 241 catcatcatn ggraanarrt grtg 24  
 243 <210> SEQ ID NO: 6  
 244 <211> LENGTH: 30  
 245 <212> TYPE: DNA  
 246 <213> ORGANISM: Artificial Sequence  
 248 <220> FEATURE:  
 249 <223> OTHER INFORMATION: Primer R0754  
 251 <221> NAME/KEY: misc\_feature  
 252 <222> LOCATION: (15)...(15)  
 253 <223> OTHER INFORMATION: y = t/u or c at position 15  
 255 <221> NAME/KEY: misc\_feature  
 256 <222> LOCATION: (18)...(18)  
 257 <223> OTHER INFORMATION: y = t/u or c at position 19 18  
 259 <221> NAME/KEY: misc\_feature  
 260 <222> LOCATION: (21)...(21)

## RAW SEQUENCE LISTING

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Output Set: N:\CRF3\02152002\J054534.raw

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261 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at
262     position 21
264 <221> NAME/KEY: misc_feature
265 <222> LOCATION: (24)...(24)
266 <223> OTHER INFORMATION: y = t/u or c at position 24
268 <221> NAME/KEY: misc_feature
269 <222> LOCATION: (27)...(27)
270 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at
271     position 27
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: (30)...(30)
275 <223> OTHER INFORMATION: y = t/u or c at position 30
277 <400> SEQUENCE: 6
W--> 278 ctactactac tacaycayac ntayacnaay 30
280 <210> SEQ ID NO: 7
281 <211> LENGTH: 29
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Primer RO923
288 <400> SEQUENCE: 7
289 cgggtgcagtg gtggaagaac aagcacaac 29
291 <210> SEQ ID NO: 8
292 <211> LENGTH: 30
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Primer RO899
299 <400> SEQUENCE: 8
300 agcggataac aatttcacac aggaaacagc 30
302 <210> SEQ ID NO: 9
303 <211> LENGTH: 30
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Primer RO939
310 <400> SEQUENCE: 9
311 cgtagtactg ctcgaggagc ttgagcgccg 30
313 <210> SEQ ID NO: 10
314 <211> LENGTH: 31
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Primer RO898
321 <400> SEQUENCE: 10
322 cccagtcacg acgttgtaaa acgacggcca g 31
324 <210> SEQ ID NO: 11
325 <211> LENGTH: 45
326 <212> TYPE: DNA

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VERIFICATION SUMMARY

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DATE: 02/15/2002

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Input Set : A:\6763.USP1.TXT

Output Set: N:\CRF3\02152002\J054534.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6